

1635

## RAW SEQUENCE LISTING

DATE: 08/01/2001

PATENT APPLICATION: US/09/431,546

TIME: 11:39:25

Input Set : A:\US09431546.raw

Output Set: N:\CRF3\08012001\I431546.raw

1 <110> APPLICANT: EVERETT, NICHOLAS P.  
 2 LI, QUNIGSHUN  
 3 LAWRENCE, CHRISTOPHER  
 4 DAVIES, MAELOR H.  
 5 <120> TITLE OF INVENTION: PEPTIDES WITH ENHANCED STABILITY TO PROTEASE  
 6 DEGRADATION  
 7 <130> FILE REFERENCE: INTERLINK 3.0-003  
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/431,546  
 9 <141> CURRENT FILING DATE: 1999-10-29  
 10 <150> PRIOR APPLICATION NUMBER: 60/106,373  
 11 <151> PRIOR FILING DATE: 1998-10-30  
 12 <150> PRIOR APPLICATION NUMBER: 60/106,573  
 13 <151> PRIOR FILING DATE: 1998-11-02  
 14 <160> NUMBER OF SEQ ID NOS: 27  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 24  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 24 <400> SEQUENCE: 1  
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 26 1 5 10 15  
 27 Phe Val Gly Glu Ile Met Lys Pro  
 28 20  
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 32 <212> TYPE: PRT  
 33 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 37 <400> SEQUENCE: 2  
 38 Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg  
 39 1 5 10  
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 42 <211> LENGTH: 13  
 43 <212> TYPE: PRT  
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 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 47 antimicrobial peptide  
 48 <400> SEQUENCE: 3  
 49 Ile Leu Lys Lys Trp Pro Trp Trp Pro Trp Arg Arg Lys  
 50 1 5 10

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56 <220> FEATURE:
57 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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66 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
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71     Ser Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
72         1             5             10
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75 <211> LENGTH: 26
76 <212> TYPE: PRT
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82     Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile Gly Gly Gly
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84     Tyr Asp Pro Ala Pro Pro Pro Pro Pro Pro
85         20             25
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88 <211> LENGTH: 13
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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95     Ile Leu Pro Phe Lys Phe Pro Phe Phe Pro Phe Arg Arg
96         1             5             10
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99 <211> LENGTH: 12
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104     antimicrobial peptide

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106     Ile Leu Lys Gly Phe Pro Gly Phe Pro Arg Arg Lys
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111 <212> TYPE: PRT
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113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
115     antimicrobial peptide
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117     Leu Ala Lys Leu Ala Val Lys Ala Ile Lys Gly Ala Ile Ala Gly Ala
118         1             5             10             15
119     Lys Ser Ala Met Gly
120             20
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123 <211> LENGTH: 31
124 <212> TYPE: PRT
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126 <220> FEATURE:
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128     antimicrobial peptide
129 <400> SEQUENCE: 10
130     Arg Pro Gly Gly Gln Ile Ala Ile Ala Ile Gly Glu Ser Ile Arg Lys
131         1             5             10             15
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133             20             25             30
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139 <220> FEATURE:
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141     antimicrobial peptide
142 <400> SEQUENCE: 11
143     Lys Ala Ile Gln Thr Ala Gln Gly Val Val Ala Val Ala Pro Gly Ala
144         1             5             10             15
145     Lys Ile Ile Gly Asp Arg Ile Asn Gln Gly Val Lys Glu Ile Lys Lys
146             20             25             30
147     Phe Leu Lys Trp Lys
148             35
150 <210> SEQ ID NO: 12
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152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
156     antimicrobial peptide
157 <400> SEQUENCE: 12

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158      Asn Ala Phe His Glu Ala Leu Gly Lys Ala Leu Gly Lys Leu Ala Ser
159          1              5              10              15
160      Lys Gly Ala Ser Leu Ile Ser Ala Gly Ile Gly
161          20              25
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164 <211> LENGTH: 23
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
169      antimicrobial peptide
170 <400> SEQUENCE: 13
171      Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe
172          1              5              10              15
173      Val Gly Glu Ile Met Asn Ser
174          20
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 13
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
182      antimicrobial peptide
183 <400> SEQUENCE: 14
184      Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
185          1              5              10
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188 <211> LENGTH: 39
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190 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
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194 <400> SEQUENCE: 15
195      aggagatggc cttggtggcc ttggaaatgg cctcttatt
196                                     39
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 33
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence:
203      Oligonucleotide
204 <400> SEQUENCE: 16
205      ccagtctcta gaaccatgag gagatggcct tgg
206                                     33
207 <210> SEQ ID NO: 17
208 <211> LENGTH: 53
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:

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212 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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214      gactggagct cttaaataag aggccatttc caaggccacc aaggccatct cct      53
216 <210> SEQ ID NO: 18
217 <211> LENGTH: 32
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
222 <400> SEQUENCE: 18
223      agctgggaat tctaggagat ggccttggtg gc      32
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226 <211> LENGTH: 54
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
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231      Oligonucleotide
232 <400> SEQUENCE: 19
233      atggactcta gattaaataa gaggccattt ccaaggccac caaggccatc tcct      54
235 <210> SEQ ID NO: 20
236 <211> LENGTH: 19
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
241      antimicrobial peptide
242 <400> SEQUENCE: 20
243      Leu Pro Gln Pro Glu Ala Ser Ala Asp Glu Gly Val Asp Glu Arg Glu
244      1           5           10           15
245      Leu His Ser
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248 <211> LENGTH: 88
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:
253      Oligonucleotide
254 <400> SEQUENCE: 21
255      agcactgaat tctcttccac aaccagaggc ttctgctgat gaaggtgttg atgaaagaga 60
256      gctccattct aggagatggc cttggtgg      88
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260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence:
264      Oligonucleotide
265 <400> SEQUENCE: 22

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/431,546

DATE: 08/01/2001

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Input Set : A:\US09431546.raw

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L:8 M:270 C: Current Application Number differs, Replaced Current Application Number